

## **ABSTRACT OF THE DISCLOSURE**

[0067] System architecture and corresponding method for securing the  
5 transmission of management frame packets on a network (e.g. IEEE 802.11) is provided.  
Once a trust relationship is created between a transmitter and a receiver on the network  
such that the transmitter is authorized to communicate over the network, a key and  
corresponding message integrity check may be generated in order to sign management  
frame communications via the network. The message integrity check and a replay  
10 protection value may be transmitted with the management frame packet. Upon receipt,  
the message integrity check and replay protection value are authenticated to verify  
permitted transmission of the management frame packet.